



# MOIYAD ALBAGER

## Electrical Engineer

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### SUMMARY

An electrical engineer with 7 years of experience in the main engineering standards related to control equipment components, power Plan, cement factories, and construction. I hold a bachelor's degree in electrical and Electronic Engineering, which has provided me with the knowledge and skills necessary to deal with technical and complex engineering challenges.

### Career Objective

To join the team of innovative electrical engineers in a prestigious company where I can apply my extensive experience and knowledge in the field of designing and developing advanced electrical systems.

### EXPERIENCE

<b>Position</b>	<b>Electrical Site Engineer</b>	<b>" Asaad Saeed Company"</b>
<b>Client/Project</b>	<b>Saudi Electricity Company / Waad Al-Shamal Power plan.</b>	
<b>EPC</b>	<b>GE power Company</b>	
	<b>02.2023</b>	<b>present " Kingdom of Saudi Arabia _ Turaif "</b>

### Duty & Responsibility

- Preparation As Built Drawing and Editing shop Drawing.
- Preparation Document for Inspection of RFI, RFT, MIR.
- Preparation Materials Purchase Order, Preparation Leg sheet On Work Progress and Status.
- Corresponding Email Receiving And sending.
- Follow up Protect Safety Rule and Regulation PTW And Lotto system to approval For SEC safety.
- Attends Regular progress Meetings With client "SEC" Main Contractor "GE".
- work Explanation to Technicians As provided shop Drawings.

- Work Details are Cable pulling, Cable Testing and Beggaring Cable Gladding and DB termination, Device Installation, Lighting Power socket, Heating Appliances Installation, cable Tray Cable trunk Installation EMDB, EPP, ELP, CP PANEL Installation and Load Balancing of Panels.
- Lead a Team to Installation, Testing substation equipment (Transformer, DC & UPS System H\_POT Test Plant Lighting and Earthing system As Pre SEC-Approved Standard.
- Coordinate with consultant on going Inspection And note down comments and rectifies immediately.

## **Zat Alemad steel manufacturing**

**Khartoum, SUDAN**

### **Position**

**Electrical Maintenance Supervisor**

**01.2020**

**12.2022**

### **Duty & Responsibility**

- Electrical maintenance scheduling and organizing specific maintenance tasks, prioritizing maintenance activities, assigning tasks to team members, and ensuring timely execution.
- Managing and leading the electrical maintenance team, providing guidance to team members, assigning tasks, providing necessary training, evaluating team performance, and motivating them to achieve the set goals.
- Monitoring and ensuring proper execution of maintenance according to specified standards and timelines.
- Diagnosing and analyzing electrical faults, providing guidance to the team for repairs, identifying the causes of faults, and taking necessary actions for quick and effective repairs.
- Implementing and enforcing safety policies and procedures in electrical maintenance work, ensuring adherence to safety guidelines, and proper use of protective equipment to avoid electrical accidents.
- Collaborating with other departments in the facility to ensure work coordination and exchange of necessary information, and communicating with management and clients to provide required reports and updates .

## **A&A Company for contacting**

**Atbara SUDAN**

### **A Thermal Generating station at barber cement plant .**

**08.2018**

**10.2019**

### **Position**

**Electrical Engineer "power"**

### **Duty & Responsibility**

- Review electrical system diagrams and power distribution layouts for the station.
- Select and specify types of diesel generators, distribution transformers, control panels, and other electrical equipment required for operating the station according to the appropriate specifications and technical standards.
- Install generators, distribution transformers, electrical panels, and other devices on-site and connect them to the power grid.

- Perform comprehensive tests on the electrical system to ensure it operates correctly according to specifications. This includes testing the generators to verify their response and performance, as well as testing subunits and other electrical circuits.
- Monitor and maintain the electrical system periodically to ensure efficient and effective operation. Conduct regular inspections and tests on electrical equipment, perform preventive maintenance, and repair any faults as needed.
- Comply with applicable safety standards and follow appropriate safety procedures during the installation and maintenance of the power station to ensure the safety of the team, electrical equipment, and maintain a safe working environment.

## **BARBER Cement Factory**

## **Atbara SUDAN**

**11.2017      07.2018**

### **Position**

**Trainee electrical engineer**

### **Duty & Responsibility**

- Assisting the senior engineer in the implementation and maintenance of electrical and control systems, including the installation and control of electrical wires and cables, connecting electrical devices and motors, and installing distribution and control panels. This may also include carrying out preventive maintenance work and repairing minor faults.
- Assisting in the installation and maintenance of grinding and mixing equipment, including the installation and maintenance of motors, feeders, electrical conveyors, and control systems associated with grinding and mixing equipment in the factory.
- Participating in monitoring energy consumption and conducting periodic inspections of electrical systems to improve energy efficiency, achieve cost savings, and improve power factor.
- Assisting in the operation and maintenance of control systems used in cement production processes, such as Distributed Control System (DCS) and Programmable Logic Controller (PLC).
- Assisting in the installation and maintenance of lighting systems in the factory and ensuring the availability and quality of backup power to maintain operational safety.
- Contributing to the preparation of technical reports related to the work and documenting any modifications or repairs that have been carried out.

### **PROJECTS**

- Waad Al-shamal power plan

Saudi Electricity Company ... GE POWER company

- Thermal Generating station at barber cement plant

A&A company.

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### **Technical Skills**

- Preparation and review of single line Diagrams, Specification, Equipment layout & Section drawings.

- Preparation and review of Bo & Bill of Materials, Technical Bid Evaluations, data sheets, Material Take off.
- Preparation of electrical Load List and equipment list.
- Preparation of MV/LV and Control cable schedule
- Coordination with Clients, Subcontractor and Suppliers.
- Site execution of erection, testing and commissioning activities of all electrical equipment's and troubleshooting of all electrical equipment's
- Involved in various Iso QA/QC Internal & External Auditing.
- Familiar with international codes, IEC, NEC , IEEE ANSI, EMA & SEC Standards .

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## **SOFTWARE & SKILLS**

- Work on simulation programs: MTALAP, SCADA, AutoCAD....
- Short Circuit and Voltage Drop Calculation Software "ETAP, ECODAL".
- Lighting Intensity Calculation Software "DIALUX, DIALUX EVO".
- M-offices (word, excel, Power point).
- Excellent on power system protection.

## **Competencies**

- Strong decision-making and the ability to prioritize and plan effectively.
- Work effectively with diverse groups of people.
- Ambitious, Hardworking and committed to excellence.
- Dedicated towards work.

## **EDCATION**

**Bachelor (Electric Engineering) Nile valley university 2012-2017.**

### **Electrical Power courses include:**

Courses included:

- Electrical Power Laboratory.
- Fundamentals of Power Systems.
- Power System Protection.
- Power System Operation & Control.
- Power System Planning .
- Power System Analysis.
- Electromechanical Energy Conversion.
- Renewable Energy Engineering .
- Optoelectronic Devices and Systems Solar Cells and Photovoltaic Systems.

## **Conference and workshop**

supervision of Transformer 13.81330kV High refed MVA, Transforms cooling system (ONANU-CONAF), step Down Transforms, Tap changer, Voltage Transformer (VT), Current Transformer (CT), Black start generators, protection system of generators and Transformer / Plant grounding system, Turbines operation generator synchronization procedure, Main Control Panel system Get Familiar with power plant single Line diagram At Saudi Electricity Company in Turaif.

## **Safety Courses**

- HSE For supervisor, Permit To work.
- Job Hazard Analysis course (JHA).
- First Aid Training Program.
- Lotto Training For commissioning.

## **MEMBERSHIP**

Sudanese Engineering council, Electrical Engineer

Saudi Council Of Engineering Electrical Engineer

## **Languages**

- Aribic
- English